

# HYDRAULIC PUMP TEST RIG

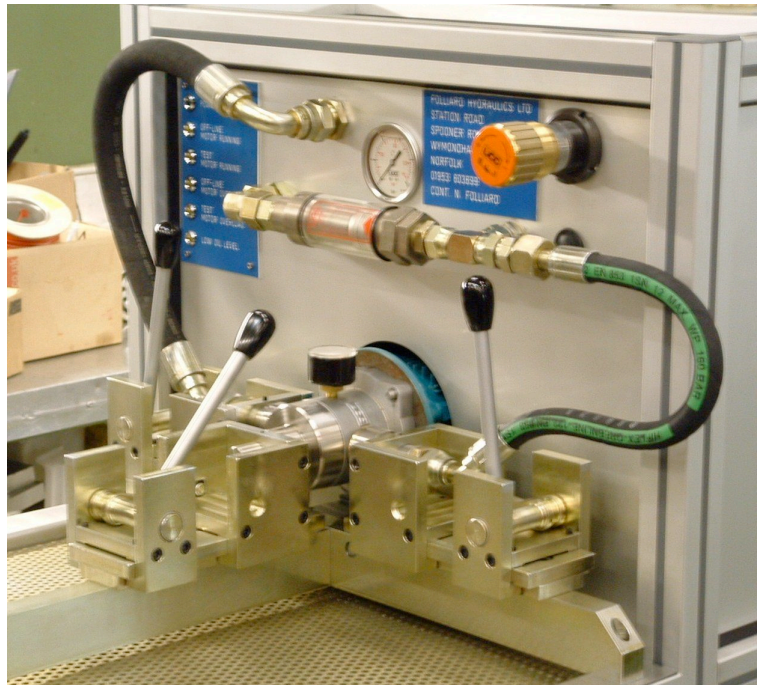
## General description

The hydraulic pump test rig has been designed so that the assembled pump can be easily mounted onto the test rig and a flow and pressure test can then be performed.

The unit to be tested is mounted onto the test rig using quick action cam mechanisms, which carry the suction and pressure ports.

The test rig is started and the flow rate observed on the visual flow meter.

The test pressure can be increased manually and the pump performance checked against the required specifications.



| Technical Specification |  |
|-------------------------|--|
| Pressure range Bar      | 1 bar - 50 bar                               |
| Temperature limit       | 70°C   |
| Hydraulic fluid         | Mineral oil<br>Synthetic (with Viton reseal) |
| Viscosity range         | 15 cSt - 68 cSt                              |
| Weight                  | 500 Kg                                       |
| <b>Electrical Data</b>  |  |
| Power requirements      | 3 Phase 400VAC 50 Hz or 1 Phase 240VAC 50 Hz |
| Typical test parameters | 20 lpm @ 25 bar                              |
| Time to carry out test  | 3 Minutes                                    |